

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010.

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

RECEIVED
JAN 16 2013
NMOCD ARTESIA

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well ☒ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No. CAPELLA 14 FEDERAL COM 2H
2. Name of Operator DEVON ENERGY PRODUCTION CO. EMail: ERIN.WORKMAN@DVN.COM		9. API Well No. 30-015-39413-00-X1
3a. Address 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405-552-7970	10. Field and Pool, or Exploratory HACKBERRY
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 14 T19S R31E NWNE Lot B 330FNL 2490FEL		11. County or Parish, and State EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA.

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture-Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Devon Energy Production Company, LP respectfully requests to change the existing approved APD with the following casing, cementing changes.

Attached are the: Directional Survey and drilling plans

Thank you!

Accepted for record
NMOCD

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NMOCD ARTESIA

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JAN 16 2013
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

Original COA Still Applies

14. I hereby certify that the foregoing is true and correct. Electronic Submission #180344 verified by the BLM Well Information System For DEVON ENERGY PRODUCTION CO LP, sent to the Carlsbad Committed to AFMSS for processing by KURT SIMMONS on 01/11/2013 (13KMS4369SE)	
Name (Printed/Typed) ERIN L WORKMAN	Title REGULATORY COMPLIANCE ASSOC.
Signature (Electronic Submission)	Date 01/10/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 01/16/2013
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office Carlsbad

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CAPELLA 14 FED COM 2H – DRILLING SUNDRY
SKS 01.09.13

The directional plan was changed which changed the MD, production casing length, and production cement volumes. The production casing & cement design will be revised as follows:

Casing Program

<u>Hole Size</u>	<u>Hole Interval</u>	<u>OD Csg</u>	<u>Casing Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>
8-3/4"	4,550 – 7,900	5-1/2"	0 – 7,900	17#	LTC	HCP-110
8-3/4"	7,900 – 14,293	5-1/2"	7,900 – 14,293	17#	BTC	HCP-110

MAX TVD: 9,160 FT

Design Factors

<u>Casing Size</u>	<u>Collapse Design Factor</u>	<u>Burst Design Factor</u>	<u>Tension Design Factor</u>
5-1/2" 17# HCP-110 LTC	2.3	2.8	1.8
5-1/2" 17# HCP-110 BTC	1.9	2.4	5.2

Cementing Program (cement volumes based on at least 25% excess)

5-1/2" Production

1st Stage

Lead: 755 sacks (35:65) Poz (Fly Ash):Class H Cement + 3% bwow Sodium Chloride + 0.2% bwoc R-3 + 0.125 lbs/sack Cello Flake + 0.7% bwoc FL-52 + 0.3% bwoc ASA-301 + 6% bwoc Bentonite + 105.5% Fresh Water, 12.5 ppg, 2.01 cf/sk

Tail: 1490 sacks (50:50) Poz (Fly Ash):Class H Cement + 5% bwow Sodium Chloride + 0.3% bwoc CD-32 + 0.5% bwoc FL-25 + 0.5% bwoc FL-52 + 0.25% bwoc Sodium Metasilicate + 57.2% Fresh Water, 14.2 ppg, 1.28 cf/sk

DV TOOL at 5,500 ft

2nd Stage

Lead: 320 sacks Class C Cement + 0.125 lbs/sack Cello Flake + 3% bwoc Sodium Metasilicate + 0.3% bwoc FL-52 + 0.75% bwoc R-3 + 157% Fresh Water 11.4 ppg, 2.89 cf/sk

Tail: 150 sacks (60:40) Poz (Fly Ash):Class C Cement + 5% bwow Sodium Chloride + 0.125 lbs/sack Cello Flake + 0.5% bwoc BA-10A + 4% bwoc MPA-5 + 65.1% Fresh Water 13.8 ppg, 1.37 cf/sk

TOC @ 2,700 ft (approx 50 ft above the Capitan Reef top)

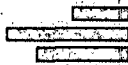
ACTUAL CEMENT VOLUMES WILL BE ADJUSTED BASED ON FLUID CALIPER AND CALIPER LOG DATA.



Weatherford

Drilling Services

Proposal



devon

CAPELLA 14 FEDERAL COM 2H

EDDY COUNTY, NM

WELL FILE: **PLAN 3**

NOVEMBER 1, 2012

Weatherford International, Ltd.

P.O. Box 61028

Midland, TX 79711 USA

+1.432.561.8892 Main

+1.432.561.8895 Fax

www.weatherford.com

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JAN 16 2013

NMOC 6115313



Capella 14 Federal Com 2H
Eddy Co., New Mexico

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	0.00	
3	8510.94	57.76	23.99	8428.69	216.03	96.14	11.30	23.99	-194.38	LP Tgt
4	9663.36	88.52	165.26	9039.99	3.99	750.01	11.30	125.00	135.59	
5	9787.36	88.52	165.26	9043.19	-115.89	781.55	0.00	0.00	259.24	
6	10264.58	88.52	179.58	9055.60	-587.55	844.32	3.00	90.20	734.34	
7	14294.04	88.52	179.58	9160.00	-4615.55	873.81	0.00	0.00	4697.54	PBHL

WELL DETAILS

Name+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
2H	0.00	0.00	606680.61	32°40'00.609N	103°50'22.301W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
LP Tgt	9039.99	3.99	750.01	606684.60	694045.21	Point
PBHL	9160.00	-4615.55	873.81	602065.06	694169.01	Point

SITE DETAILS

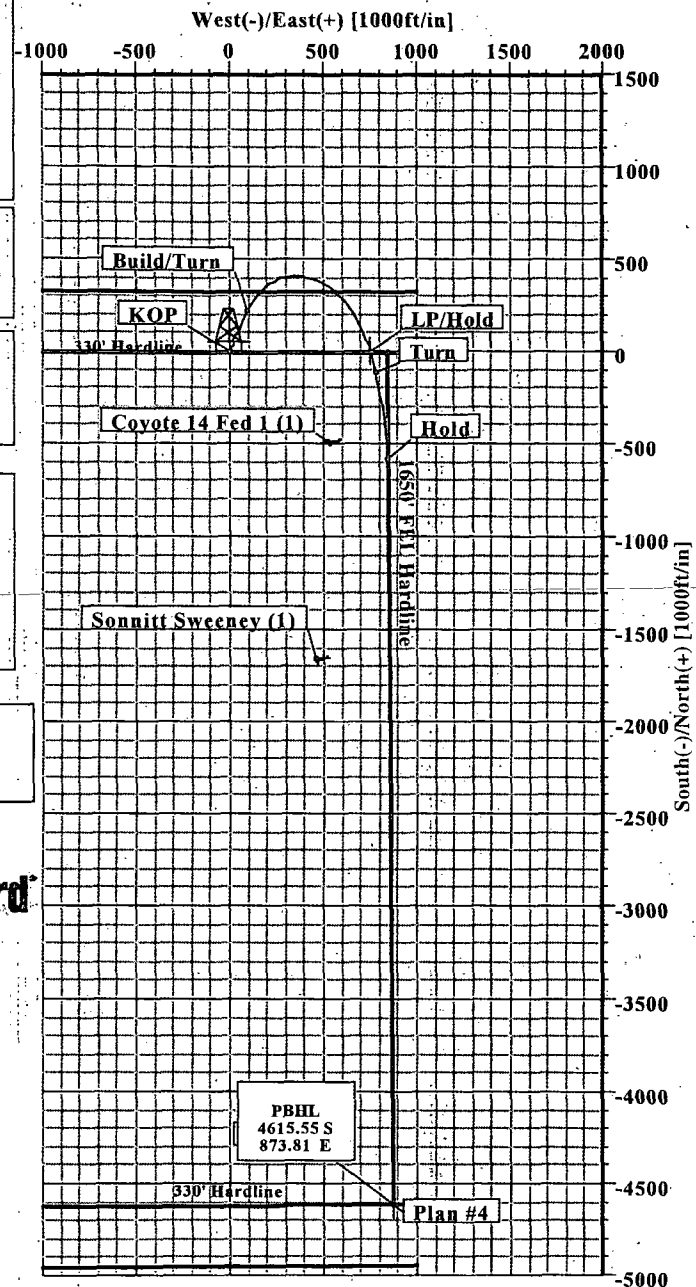
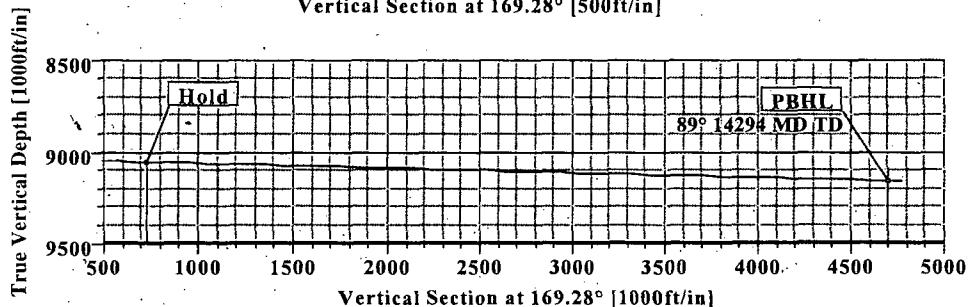
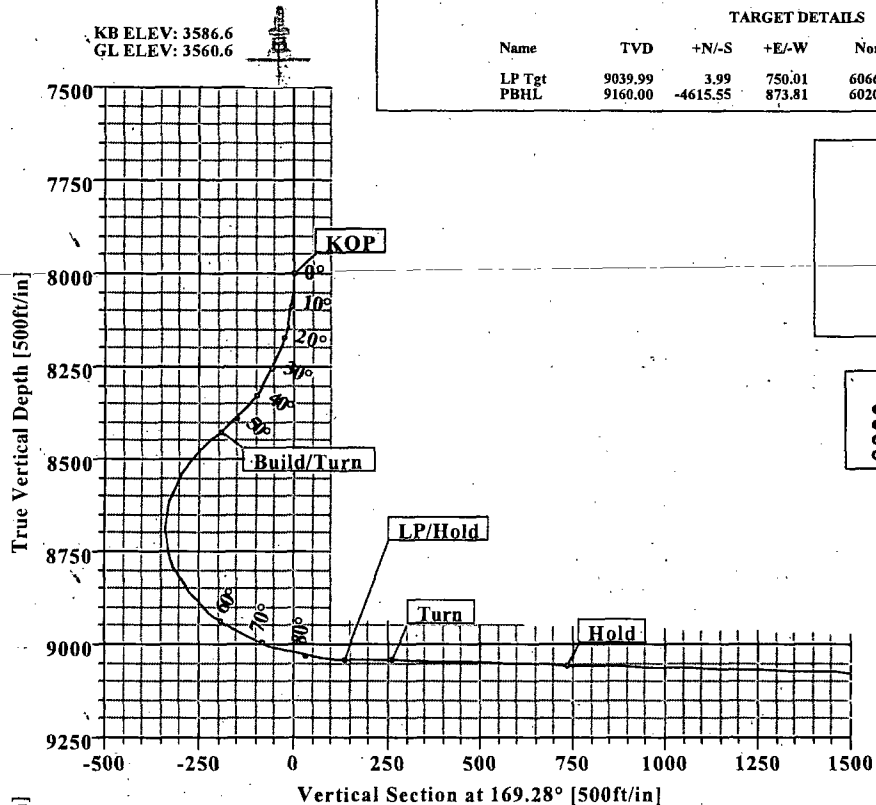
Capella 14 Federal Com 2H
Site Centre Northing: 606680.61
Easting: 693295.20
Ground Level: 3560.60
Positional Uncertainty: 0.00
Convergence: 0.27

LEGEND

- Coyote 14 Fed 1 (1)
- Sonnitt Sweeney (1)
- 1
- Plan #4



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Plan: Plan #4 (2H/1)

Created By: Russell W. Joyner

Date: 1/9/2013



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Wft Plan Report X Y's.



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Company: Devon Energy	Date: 1/9/2013	Time: 10:52:44	Page: 1
Field: Eddy Co NM (NAD 83)	Co-ordinate (NE) Reference: Well 2H Grd North		
Site: Capella 14 Federal Com 2H	Vertical (TVD) Reference: SITE 3586.6		
Well: 2H	Section (VS) Reference: Well (0.00N 0.00E 169.28Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #4	Date Composed: 11/1/2012
Principal: Yes	Version: 1
	Tied-to: From Surface

Site: Capella 14 Federal Com 2H	
Site Position: Northing: 606680.61 ft Latitude: 32 40 0.609 N	
From: Map Easting: 693295.20 ft Longitude: 103 50 22.301 W	
Position Uncertainty: 0.00 ft North Reference: Grid	
Ground Level: 3560.60 ft Grid Convergence: 0.27 deg	

Well: 2H	Slot Name:
Well Position: +N-S 0.00 ft Northing: 606680.61 ft Latitude: 32 40 0.609 N	
+E-W 0.00 ft Easting: 693295.20 ft Longitude: 103 50 22.301 W	
Position Uncertainty: 0.00 ft	

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 2/15/2013	Above System Datum: Mean Sea Level
Field Strength: 48712 nT	Declination: 7.54 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.51 deg
ft	+N-S Direction
	ft deg
0.00	0.00 0.00 169.28

Plan Section Information										
MD	Incl	Azim	TVD	+N/S	+E/W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	0.00	0.00	
8510.94	57.76	23.99	8428.69	216.03	96.14	11.30	11.30	0.00	23.99	
9663.36	88.52	165.26	9039.99	3.99	750.01	11.30	2.67	12.26	125.00	LP Tgt
9787.36	88.52	165.26	9043.19	-115.89	781.55	0.00	0.00	0.00	0.00	
10264.58	88.52	179.58	9055.60	-587.55	844.32	3.00	0.00	3.00	90.20	
14294.04	88.52	179.58	9160.00	-4615.55	873.81	0.00	0.00	0.00	0.00	PBHL

Survey										
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00	606680.61	693295.20	KOP
8050.00	5.65	23.99	8049.92	2.25	1.00	-2.03	11.30	606682.86	693296.20	
8100.00	11.30	23.99	8099.35	8.98	4.00	-8.08	11.30	606689.59	693299.20	
8150.00	16.96	23.99	8147.82	20.13	8.96	-18.11	11.30	606700.74	693304.16	
8200.00	22.61	23.99	8194.85	35.59	15.84	-32.02	11.30	606716.20	693311.04	
8250.00	28.26	23.99	8239.98	55.20	24.56	-49.67	11.30	606735.81	693319.76	
8300.00	33.91	23.99	8282.79	78.78	35.06	-70.88	11.30	606759.39	693330.26	
8350.00	39.57	23.99	8322.84	106.09	47.21	-95.46	11.30	606786.70	693342.41	
8400.00	45.22	23.99	8359.75	136.88	60.91	-123.16	11.30	606817.49	693356.11	
8450.00	50.87	23.99	8393.16	170.83	76.02	-153.71	11.30	606851.44	693371.22	
8500.00	56.52	23.99	8422.76	207.63	92.40	-186.82	11.30	606888.24	693387.60	
8510.94	57.76	23.99	8428.69	216.03	96.14	-194.38	11.30	606896.64	693391.34	Build/Turn
8550.00	55.30	28.39	8450.24	245.26	110.49	-220.43	11.30	606925.87	693405.69	
8600.00	52.41	34.40	8479.74	279.72	131.47	-250.38	11.30	606960.33	693426.67	
8650.00	49.84	40.87	8511.14	310.54	155.18	-276.25	11.30	606991.15	693450.38	
8700.00	47.66	47.80	8544.13	337.42	181.40	-297.79	11.30	607018.03	693476.60	
8750.00	45.93	55.18	8578.38	360.11	209.85	-314.79	11.30	607040.72	693505.05	
8800.00	44.69	62.94	8613.57	378.38	240.28	-327.08	11.30	607058.99	693535.48	
8850.00	44.00	70.97	8649.36	392.05	272.38	-334.54	11.30	607072.66	693567.58	
8900.00	43.89	79.11	8685.39	400.99	305.85	-337.10	11.30	607081.60	693601.05	



Weatherford Wft Plan Report X Y's.



Company: Devon Energy	Date: 1/9/2013	Time: 10:52:44	Page: 2
Field: Eddy Co. NM (NAD 83)	Coordinate(NE) Reference: Well: 2H Gnd North		
Site: Capella 14 Federal Corn 2H	Vertical(TVD) Reference: SITE 3586.6		
Well: 2H	Section(VS) Reference: Well(0'00N:0'00E:169.28Azi)		
Wellpath:	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comments
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
8950.00	44.35	87.21	8721.31	405.12	340.35	-334.74	11.30	607085.73	693635.55	
9000.00	45.36	95.09	8756.79	404.40	375.55	-327.48	11.30	607085.01	693670.75	
9050.00	46.90	102.63	8791.46	398.82	411.11	-315.39	11.30	607079.43	693706.31	
9100.00	48.91	109.75	8825.00	388.45	446.69	-298.58	11.30	607069.06	693741.89	
9150.00	51.33	116.41	8857.08	373.39	481.93	-277.23	11.30	607054.00	693777.13	
9200.00	54.10	122.60	8887.38	353.78	516.50	-251.53	11.30	607034.39	693811.70	
9250.00	57.17	128.36	8915.62	329.81	550.06	-221.74	11.30	607010.42	693845.26	
9300.00	60.48	133.71	8941.52	301.72	582.28	-188.15	11.30	606982.33	693877.48	
9350.00	63.99	138.71	8964.82	269.78	612.86	-151.08	11.30	606950.39	693908.06	
9400.00	67.66	143.42	8985.30	234.30	641.48	-110.89	11.30	606914.91	693936.68	
9450.00	71.46	147.88	9002.77	195.63	667.89	-67.98	11.30	606876.24	693963.09	
9500.00	75.36	152.15	9017.04	154.13	691.81	-22.76	11.30	606834.74	693987.01	
9550.00	79.34	156.26	9027.99	110.22	713.02	24.33	11.30	606790.83	694008.22	
9600.00	83.37	160.27	9035.51	64.32	731.30	72.84	11.30	606744.93	694026.50	
9650.00	87.43	164.21	9039.52	16.87	746.50	122.28	11.30	606697.48	694041.70	
9663.36	88.52	165.26	9039.99	3.99	750.01	135.59	11.30	606684.60	694045.21	LP Tgt
9700.00	88.52	165.26	9040.94	-31.43	759.33	172.13	0.00	606649.18	694054.53	
9787.36	88.52	165.26	9043.19	-115.89	781.55	259.24	0.00	606564.72	694076.75	Turn
9800.00	88.52	165.64	9043.52	-128.12	784.73	271.85	3.00	606552.49	694079.93	
9900.00	88.51	168.64	9046.11	-225.57	806.97	371.74	3.00	606455.04	694102.17	
10000.00	88.51	171.64	9048.72	-324.05	824.09	471.68	3.00	606356.56	694119.29	
10100.00	88.51	174.64	9051.32	-423.28	836.03	571.41	3.00	606257.33	694131.23	
10200.00	88.51	177.64	9053.93	-523.01	842.75	670.65	3.00	606157.60	694137.95	
10264.58	88.52	179.58	9055.60	-587.55	844.32	734.34	3.00	606093.06	694139.52	Hold
10300.00	88.52	179.58	9056.52	-622.96	844.58	769.18	0.00	606057.65	694139.78	
10400.00	88.52	179.58	9059.11	-722.92	845.31	867.54	0.00	605957.69	694140.51	
10500.00	88.52	179.58	9061.70	-822.88	846.04	965.89	0.00	605857.73	694141.24	
10600.00	88.52	179.58	9064.29	-922.85	846.77	1064.25	0.00	605757.76	694141.97	
10700.00	88.52	179.58	9066.88	-1022.81	847.50	1162.61	0.00	605657.80	694142.70	
10800.00	88.52	179.58	9069.47	-1122.77	848.24	1260.96	0.00	605557.84	694143.44	
10900.00	88.52	179.58	9072.07	-1222.74	848.97	1359.32	0.00	605457.87	694144.17	
11000.00	88.52	179.58	9074.66	-1322.70	849.70	1457.67	0.00	605357.91	694144.90	
11100.00	88.52	179.58	9077.25	-1422.67	850.43	1556.03	0.00	605257.94	694145.63	
11200.00	88.52	179.58	9079.84	-1522.63	851.16	1654.38	0.00	605157.98	694146.36	
11300.00	88.52	179.58	9082.43	-1622.59	851.90	1752.74	0.00	605058.02	694147.10	
11400.00	88.52	179.58	9085.02	-1722.56	852.63	1851.09	0.00	604958.05	694147.83	
11500.00	88.52	179.58	9087.61	-1822.52	853.36	1949.45	0.00	604858.09	694148.56	
11600.00	88.52	179.58	9090.20	-1922.48	854.09	2047.80	0.00	604758.13	694149.29	
11700.00	88.52	179.58	9092.79	-2022.45	854.82	2146.16	0.00	604658.16	694150.02	
11800.00	88.52	179.58	9095.38	-2122.41	855.56	2244.51	0.00	604558.20	694150.76	
11900.00	88.52	179.58	9097.97	-2222.38	856.29	2342.87	0.00	604458.23	694151.49	
12000.00	88.52	179.58	9100.57	-2322.34	857.02	2441.22	0.00	604358.27	694152.22	
12100.00	88.52	179.58	9103.16	-2422.30	857.75	2539.58	0.00	604258.31	694152.95	
12200.00	88.52	179.58	9105.75	-2522.27	858.48	2637.93	0.00	604158.34	694153.68	
12300.00	88.52	179.58	9108.34	-2622.23	859.22	2736.29	0.00	604058.38	694154.42	
12400.00	88.52	179.58	9110.93	-2722.20	859.95	2834.65	0.00	603958.41	694155.15	
12500.00	88.52	179.58	9113.52	-2822.16	860.68	2933.00	0.00	603858.45	694155.88	
12600.00	88.52	179.58	9116.11	-2922.12	861.41	3031.36	0.00	603758.49	694156.61	
12700.00	88.52	179.58	9118.70	-3022.09	862.14	3129.71	0.00	603658.52	694157.34	
12800.00	88.52	179.58	9121.29	-3122.05	862.87	3228.07	0.00	603558.56	694158.07	
12900.00	88.52	179.58	9123.88	-3222.01	863.61	3326.42	0.00	603458.60	694158.81	
13000.00	88.52	179.58	9126.47	-3321.98	864.34	3424.78	0.00	603358.63	694159.54	
13100.00	88.52	179.58	9129.06	-3421.94	865.07	3523.13	0.00	603258.67	694160.27	



Weatherford

Wft Plan Report X Y's.



Weatherford

Company: Devon Energy	Date: 1/9/2013	Time: 10:52:44	Page: 3
Field: Eddy Co. NM (NAD:83)	Co-ordinate (NE): Reference: Well: 2H Grd: North		
Site: Capella 14 Federal Com 2H	Vertical (TVD) Reference: SITE 3586.6		
Well: 2H	Section (VS): Reference: Well (0.00N/0.00E/169.28Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	MapN	MapE	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	ft	ft	
13200.00	88.52	179.58	9131.66	-3521.91	865.80	3621.49	0.00	603158.70	694161.00	
13300.00	88.52	179.58	9134.25	-3621.87	866.53	3719.84	0.00	603058.74	694161.73	
13400.00	88.52	179.58	9136.84	-3721.83	867.27	3818.20	0.00	602958.78	694162.47	
13500.00	88.52	179.58	9139.43	-3821.80	868.00	3916.55	0.00	602858.81	694163.20	
13600.00	88.52	179.58	9142.02	-3921.76	868.73	4014.91	0.00	602758.85	694163.93	
13700.00	88.52	179.58	9144.61	-4021.72	869.46	4113.26	0.00	602658.89	694164.66	
13800.00	88.52	179.58	9147.20	-4121.69	870.19	4211.62	0.00	602558.92	694165.39	
13900.00	88.52	179.58	9149.79	-4221.65	870.93	4309.98	0.00	602458.96	694166.13	
14000.00	88.52	179.58	9152.38	-4321.62	871.66	4408.33	0.00	602358.99	694166.86	
14100.00	88.52	179.58	9154.97	-4421.58	872.39	4506.69	0.00	602259.03	694167.59	
14200.00	88.52	179.58	9157.56	-4521.54	873.12	4605.04	0.00	602159.07	694168.32	
14294.04	88.52	179.58	9160.00	-4615.55	873.81	4697.54	0.00	602065.06	694169.01	PBHL

Targets

Name	Description	TVD	+N/-S	+E/-W	Map Northing	Map Easting	Latitude	Longitude
Dip	Dir	ft	ft	ft	ft	ft	Deg Min Sec	Deg Min Sec
LP Tgt		9039.99	3.99	750.01	606684.60	694045.21	32 40 0.614 N	103 50 13.527 W
PBHL		9160.00	-4615.55	873.81	602065.06	694169.01	32 39 14.898 N	103 50 12.331 W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD	TVD	
ft	ft	
8000.00	8000.00	KOP
8510.94	8428.69	Build/Turn
9663.36	9039.99	LP/Hold
9787.36	9043.19	Turn
10264.58	9055.60	Hold
14294.04	9160.00	PBHL



Weatherford Anticollision Report



Weatherford

Company: Devon Energy Date: 1/9/2013 Time: 10:54:23 Page: 1
Field: Eddy Co. NM (NAD:83)
Reference Site: Capella 14 Federal Com 2H Co-ordinate (NE) Reference: Well: 2H Grid: North
Reference Well: 2H Vertical (TVD) Reference: SITE: 3586.6
Reference Wellpath: Db: Sybase

NO GLOBAL SCAN: Using user defined selection & scan criteria
Interpolation Method MD + Stations Interval: 100.00 ft
Depth Range: 100.00 to 11514.92 ft
Maximum Radius 40000.00 ft

Reference: Plan: Plan #4
Error Model: ISCWSA Ellipse
Scan Method: Closest Approach 3D
Error Surface: Ellipse

Plan: Plan #4

Date Composed: 11/1/2012

Version: 1

Principal: Yes

Tied-to: From Surface

Summary

Site	Offset Wellpath	Reference	Offset	Ctr-Ctr Edge	Separation	Warning
	Wellpath	MD	MD	Distance	Distance	
		ft	ft	ft	ft	
Coyote 14 Fed 1	Coyote 14 Fed 1	1 V0	10200.00	9054.88	321.43 280.10	7.78
Sonnitt Sweeney	Sonnitt Sweeney	1 V0	11400.00	9089.29	400.26 344.24	7.14

Site: Coyote 14 Fed.1

Well: Coyote 14 Fed.1

Wellpath: 1 V0

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location			Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
100.00	100.00	83.74	83.74	0.08	0.09	129.03	-477.41	588.87	758.14	757.97	4491.39	
200.00	200.00	178.04	178.02	0.31	0.31	129.05	-478.64	589.94	759.85	759.23	1230.57	
300.00	300.00	275.04	275.00	0.53	0.57	129.07	-480.22	591.47	762.09	760.99	692.86	
400.00	400.00	376.11	376.04	0.76	0.84	129.09	-481.91	593.22	764.49	762.90	479.93	
500.00	500.00	492.19	492.10	0.98	1.09	129.11	-483.13	594.32	765.92	763.85	370.25	
600.00	600.00	610.74	610.63	1.21	1.24	129.23	-483.59	592.21	764.77	762.32	312.90	
700.00	700.00	712.39	712.22	1.43	1.37	129.43	-484.08	588.69	762.39	759.60	272.62	
800.00	800.00	812.43	812.19	1.66	1.53	129.64	-484.69	584.98	759.92	756.73	238.46	
900.00	900.00	911.64	911.33	1.88	1.72	129.87	-485.45	581.23	757.50	753.90	210.21	
1000.00	1000.00	1011.10	1010.71	2.11	1.93	130.09	-486.24	577.54	755.17	751.13	186.93	
1100.00	1100.00	1110.11	1109.66	2.33	2.16	130.32	-487.08	573.95	752.94	748.45	167.77	
1200.00	1200.00	1209.38	1208.86	2.56	2.39	130.55	-487.99	570.42	750.83	745.89	151.80	
1300.00	1300.00	1308.67	1308.09	2.78	2.63	130.77	-488.86	567.04	748.82	743.41	138.40	
1400.00	1400.00	1407.32	1406.68	3.01	2.87	130.98	-489.73	563.86	746.96	741.08	127.07	
1500.00	1500.00	1507.90	1507.21	3.23	3.12	131.18	-490.50	560.75	745.13	738.78	117.29	
1600.00	1600.00	1606.33	1605.60	3.45	3.37	131.34	-491.00	558.04	743.39	736.57	108.97	
1700.00	1700.00	1705.43	1704.67	3.68	3.61	131.47	-491.19	555.77	741.80	734.51	101.77	
1800.00	1800.00	1802.18	1801.41	3.90	3.84	131.55	-491.13	554.15	740.51	732.76	95.60	
1900.00	1900.00	1902.68	1901.90	4.13	4.07	131.59	-490.78	552.96	739.39	731.20	90.22	
2000.00	2000.00	2002.65	2001.87	4.35	4.27	131.61	-490.16	551.97	738.24	729.62	85.59	
2100.00	2100.00	2102.48	2101.69	4.58	4.47	131.60	-489.38	551.15	737.11	728.06	81.52	
2200.00	2200.00	2202.66	2201.86	4.80	4.65	131.59	-488.49	550.41	735.97	726.52	77.85	
2300.00	2300.00	2302.46	2301.65	5.03	4.85	131.57	-487.60	549.69	734.83	724.96	74.45	
2400.00	2400.00	2402.63	2401.82	5.25	5.05	131.57	-486.76	548.91	733.70	723.39	71.22	
2500.00	2500.00	2501.58	2500.76	5.48	5.27	131.57	-486.08	548.09	732.62	721.87	68.17	
2600.00	2600.00	2600.54	2599.72	5.70	5.50	131.58	-485.54	547.33	731.68	720.48	65.32	
2700.00	2700.00	2697.31	2696.49	5.93	5.74	131.59	-485.28	546.73	731.04	719.38	62.67	
2800.00	2800.00	2795.02	2794.20	6.15	5.98	131.62	-485.38	546.30	730.78	718.64	60.23	
2900.00	2900.00	2891.20	2890.38	6.38	6.19	131.67	-485.91	546.02	730.92	718.36	58.20	
3000.00	3000.00	2991.53	2990.70	6.60	6.37	131.73	-486.81	545.77	731.34	718.37	56.38	
3100.00	3100.00	3091.20	3090.36	6.83	6.57	131.81	-487.80	545.41	731.73	718.34	54.64	
3200.00	3200.00	3191.07	3190.22	7.05	6.77	131.91	-489.01	544.90	732.15	718.33	52.97	
3300.00	3300.00	3291.53	3290.67	7.28	6.99	132.02	-490.40	544.20	732.56	718.30	51.35	
3400.00	3400.00	3391.44	3390.56	7.50	7.22	132.17	-492.01	543.24	732.94	718.22	49.81	
3500.00	3500.00	3491.71	3490.82	7.73	7.45	132.32	-493.72	542.19	733.31	718.14	48.34	
3600.00	3600.00	3591.25	3590.34	7.95	7.68	132.48	-495.46	541.12	733.69	718.06	46.95	



Weatherford Anticollision Report



Weatherford

Company: Devon Energy
Field: Eddy Co. NM (NAD:83)
Reference Site: Capella 14 Federal Com 2H
Reference Well: 2H
Reference Wellpath:
Date: 1/9/2013
Time: 10:54:23
Page: 2
Co-ordinate (NE) Reference: Well 12H, Grid North
Vertical (TVD) Reference: SITE 3586.6
Db: Sybase

Site: Coyote 14 Fed 1
Well: Coyote 14 Fed 1
Wellpath: 1 VO

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr-Ctr Edge		Separation		Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3700.00	3700.00	3690.84	3689.90	8.17	7.91	132.63	-497.24	540.09	734.14	718.05	45.65	
3800.00	3800.00	3790.72	3789.77	8.40	8.14	132.78	-498.94	539.18	734.63	718.09	44.42	
3900.00	3900.00	3889.62	3888.65	8.62	8.37	132.91	-500.56	538.44	735.19	718.20	43.27	
4000.00	4000.00	3989.78	3988.79	8.85	8.60	133.04	-502.19	537.81	735.84	718.39	42.18	
4100.00	4100.00	4088.97	4087.97	9.07	8.82	133.16	-503.80	537.22	736.51	718.62	41.16	
4200.00	4200.00	4189.77	4188.75	9.30	9.05	133.29	-505.52	536.56	737.21	718.86	40.17	
4300.00	4300.00	4291.05	4290.02	9.52	9.29	133.42	-507.05	535.88	737.75	718.94	39.21	
4400.00	4400.00	4391.94	4390.90	9.75	9.54	133.51	-508.23	535.32	738.15	718.87	38.28	
4500.00	4500.00	4493.30	4492.26	9.97	9.78	133.59	-509.14	534.80	738.40	718.64	37.38	
4600.00	4600.00	4593.92	4592.87	10.20	10.04	133.66	-509.87	534.25	738.51	718.28	36.50	
4700.00	4700.00	4694.14	4693.09	10.42	10.29	133.73	-510.56	533.68	738.57	717.85	35.65	
4800.00	4800.00	4793.42	4792.36	10.65	10.55	133.80	-511.26	533.13	738.65	717.46	34.85	
4900.00	4900.00	4894.37	4893.30	10.87	10.80	133.87	-511.96	532.57	738.74	717.06	34.08	
5000.00	5000.00	4995.40	4994.34	11.10	11.07	133.92	-512.43	532.04	738.68	716.52	33.33	
5100.00	5100.00	5100.58	5099.51	11.32	11.26	133.93	-512.10	531.67	738.21	715.64	32.70	
5200.00	5200.00	5199.37	5198.30	11.55	11.37	133.90	-511.33	531.40	737.47	714.56	32.19	
5300.00	5300.00	5300.67	5299.59	11.77	11.48	133.87	-510.54	531.09	736.72	713.46	31.68	
5400.00	5400.00	5399.40	5398.32	12.00	11.60	133.84	-509.74	530.83	735.96	712.37	31.19	
5500.00	5500.00	5501.55	5500.47	12.22	11.73	133.81	-508.89	530.48	735.14	711.19	30.70	
5600.00	5600.00	5599.72	5598.63	12.45	11.86	133.78	-508.08	530.13	734.31	710.00	30.21	
5700.00	5700.00	5700.77	5699.68	12.67	12.01	133.76	-507.30	529.77	733.52	708.85	29.73	
5800.00	5800.00	5799.29	5798.20	12.89	12.15	133.74	-506.59	529.42	732.77	707.72	29.26	
5900.00	5900.00	5900.54	5899.44	13.12	12.32	133.72	-505.94	529.01	732.03	706.59	28.78	
6000.00	6000.00	5998.38	5997.28	13.34	12.48	133.71	-505.33	528.67	731.35	705.53	28.33	
6100.00	6100.00	6099.91	6098.81	13.57	12.63	133.68	-504.68	528.41	730.72	704.52	27.89	
6200.00	6200.00	6201.45	6200.34	13.79	12.81	133.67	-503.93	527.93	729.87	703.27	27.44	
6300.00	6300.00	6300.33	6299.22	14.02	13.01	133.67	-503.31	527.32	728.99	701.97	26.98	
6400.00	6400.00	6396.54	6395.43	14.24	13.21	133.67	-502.99	526.92	728.45	701.00	26.53	
6500.00	6500.00	6505.97	6504.86	14.47	13.43	133.66	-502.19	526.23	727.49	699.59	26.07	
6600.00	6600.00	6600.12	6598.99	14.69	13.60	133.64	-501.21	525.64	726.32	698.03	25.67	
6700.00	6700.00	6703.36	6702.23	14.92	13.80	133.62	-500.36	525.02	725.32	696.60	25.26	
6800.00	6800.00	6802.48	6801.34	15.14	14.02	133.64	-499.72	524.03	724.15	694.99	24.83	
6900.00	6900.00	6896.24	6895.10	15.37	14.25	133.67	-499.59	523.30	723.49	693.87	24.43	
7000.00	7000.00	7003.17	7002.03	15.59	14.52	133.72	-499.47	522.34	722.76	692.66	24.01	
7100.00	7100.00	7092.48	7091.33	15.82	14.67	133.74	-499.44	521.82	722.31	691.83	23.69	
7200.00	7200.00	7196.65	7195.50	16.04	14.86	133.79	-499.91	521.48	722.39	691.49	23.38	
7300.00	7300.00	7300.75	7299.60	16.27	15.12	133.86	-500.11	520.45	721.81	690.43	23.00	
7400.00	7400.00	7400.02	7398.86	16.49	15.37	133.90	-499.91	519.53	721.01	689.15	22.63	
7500.00	7500.00	7499.42	7498.25	16.72	15.61	133.92	-499.64	518.81	720.29	687.97	22.29	
7600.00	7600.00	7597.42	7596.25	16.94	15.85	133.95	-499.53	518.18	719.76	686.97	21.95	
7700.00	7700.00	7685.14	7683.97	17.17	15.98	133.95	-499.82	518.43	720.19	687.05	21.73	
7800.00	7800.00	7791.06	7789.88	17.39	16.04	133.89	-500.10	519.79	721.31	687.88	21.58	
7900.00	7900.00	7896.17	7894.99	17.61	16.19	133.87	-499.94	520.09	721.42	687.61	21.34	
8000.00	8000.00	7994.72	7993.55	17.84	16.43	133.89	-500.06	519.80	721.28	687.02	21.05	
8050.00	8049.92	8046.96	8045.78	17.95	16.55	110.03	-500.19	519.55	722.04	687.55	20.93	
8100.00	8099.35	8098.99	8097.81	18.06	16.68	110.40	-500.38	518.99	724.36	689.65	20.87	
8150.00	8147.82	8145.72	8144.53	18.16	16.80	110.85	-500.61	518.37	728.48	693.59	20.88	
8200.00	8194.85	8190.91	8189.72	18.27	16.91	111.36	-500.90	517.85	734.74	699.68	20.96	
8250.00	8239.98	8237.88	8236.68	18.38	17.02	111.96	-501.13	517.41	743.24	708.05	21.12	
8300.00	8282.79	8283.63	8282.44	18.50	17.12	112.53	-501.05	517.07	754.03	718.71	21.35	
8350.00	8322.84	8322.93	8321.73	18.63	17.18	112.77	-500.76	516.88	767.39	731.98	21.67	



Weatherford Anticollision Report



Weatherford

Company: Devon Energy Date: 1/9/2013 Time: 10:54:23 Page: 3
Field: Eddy Co. NM (NAD 83)
Reference Site: Capella 14 Federal Com 2H Co-ordinate (NE) Reference: Well: 2H, Gnd North
Reference Well: 2H Vertical (TVD) Reference: SITE 3586.6
Reference Wellpath: Db: Sybase

Site: Coyote 14 Fed 1
Well: Coyote 14 Fed 1
Wellpath: 1 VO

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr Edge		Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
8400.00	8359.75	8357.17	8355.97	18.78	17.22	112.62	-500.48	516.95	783.71	748.21	22.07	
8450.00	8393.16	8388.38	8387.18	18.95	17.26	112.08	-500.22	517.20	803.10	767.45	22.53	
8500.00	8422.76	8418.88	8417.68	19.15	17.29	111.22	-499.96	517.60	825.52	789.70	23.05	
8510.94	8428.69	8425.42	8424.22	19.20	17.29	110.98	-499.89	517.68	830.81	794.95	23.16	
8550.00	8450.24	8449.24	8448.03	19.38	17.31	110.49	-499.61	517.99	849.06	812.96	23.52	
8600.00	8479.74	8481.99	8480.78	19.63	17.33	109.22	-499.13	518.41	869.71	833.27	23.87	
8650.00	8511.14	8514.11	8512.89	19.87	17.35	107.11	-498.59	518.81	887.12	850.34	24.12	
8700.00	8544.13	8544.47	8543.24	20.11	17.36	104.18	-498.18	519.16	901.30	864.18	24.28	
8750.00	8578.38	8575.73	8574.50	20.32	17.38	100.66	-497.89	519.51	912.17	874.74	24.37	
8800.00	8613.57	8610.44	8609.21	20.49	17.41	96.78	-497.71	519.88	919.62	881.92	24.39	
8850.00	8649.36	8654.89	8653.65	20.63	17.44	92.96	-497.25	520.29	923.28	885.35	24.35	
8900.00	8685.39	8699.69	8698.44	20.71	17.48	88.99	-496.40	520.65	922.95	884.86	24.23	
8950.00	8721.31	8735.22	8733.96	20.75	17.53	84.71	-495.58	520.84	918.81	880.59	24.04	
9000.00	8756.79	8769.88	8768.62	20.74	17.57	80.70	-494.85	520.89	911.10	872.80	23.79	
9050.00	8791.46	8803.74	8802.47	20.71	17.62	77.12	-494.18	520.82	899.89	861.56	23.48	
9100.00	8825.00	8839.18	8837.90	20.66	17.67	74.25	-493.44	520.79	885.22	846.91	23.11	
9150.00	8857.08	8873.23	8871.94	20.60	17.71	72.04	-492.64	520.94	867.17	828.91	22.66	
9200.00	8887.38	8904.47	8903.17	20.56	17.76	70.50	-491.82	521.21	845.91	807.72	22.15	
9250.00	8915.62	8929.00	8927.69	20.54	17.78	69.42	-491.22	521.46	821.74	783.64	21.57	
9300.00	8941.52	8951.58	8950.26	20.55	17.80	69.08	-490.76	521.71	794.94	756.92	20.91	
9350.00	8964.82	8972.00	8970.68	20.57	17.82	69.51	-490.41	521.93	765.72	727.73	20.16	
9400.00	8985.30	8990.08	8988.75	20.61	17.84	70.69	-490.17	522.14	734.31	696.32	19.33	
9450.00	9002.77	9006.77	9005.44	20.66	17.85	72.78	-489.99	522.34	700.95	662.90	18.42	
9500.00	9017.04	9022.11	9020.78	20.71	17.86	75.81	-489.81	522.55	665.90	627.71	17.44	
9550.00	9027.99	9033.77	9032.44	20.76	17.87	79.57	-489.67	522.74	629.43	591.08	16.41	
9600.00	9035.51	9041.63	9040.30	20.81	17.88	83.93	-489.56	522.89	591.90	553.38	15.37	
9650.00	9039.52	9045.59	9044.25	20.85	17.88	88.74	-489.51	522.96	553.64	514.98	14.32	
9663.36	9039.99	9045.98	9044.65	20.86	17.88	90.07	-489.50	522.97	543.33	504.65	14.04	
9700.00	9040.94	9046.67	9045.33	21.06	17.88	90.18	-489.49	522.98	515.56	476.67	13.26	
9787.36	9043.19	9048.30	9046.97	21.60	17.88	90.46	-489.47	523.01	454.44	415.00	11.52	
9800.00	9043.52	9048.54	9047.21	21.66	17.88	90.49	-489.47	523.02	446.28	406.80	11.30	
9900.00	9046.11	9050.33	9048.99	22.09	17.88	90.73	-489.44	523.05	387.73	347.81	9.71	
10000.00	9048.72	9051.99	9050.65	22.54	17.89	90.96	-489.42	523.09	343.55	303.17	8.51	
10100.00	9051.32	9053.51	9052.17	23.01	17.89	91.17	-489.40	523.12	319.90	279.06	7.83	
10200.00	9053.93	9054.88	9053.54	23.49	17.89	91.34	-489.38	523.15	321.43	280.10	7.78	
10264.58	9055.60	9055.69	9054.35	23.80	17.89	91.42	-489.37	523.17	335.87	294.23	8.07	
10300.00	9056.52	9056.11	9054.78	24.12	17.89	91.50	-489.36	523.17	348.10	306.13	8.30	
10400.00	9059.11	9057.30	9055.96	25.05	17.89	91.71	-489.34	523.20	397.90	354.99	9.27	
10500.00	9061.70	9058.47	9057.13	26.08	17.89	91.92	-489.33	523.22	464.19	420.25	10.56	
10600.00	9064.29	9059.62	9058.28	27.19	17.89	92.12	-489.31	523.25	540.95	495.89	12.00	
10700.00	9066.88	9060.75	9059.41	28.37	17.89	92.33	-489.29	523.27	624.32	578.06	13.50	
10800.00	9069.47	9061.86	9060.53	29.63	17.89	92.53	-489.27	523.30	711.98	664.47	14.99	
10900.00	9072.07	9062.96	9061.62	30.94	17.89	92.72	-489.26	523.32	802.53	753.71	16.44	
11000.00	9074.66	9064.04	9062.70	32.30	17.89	92.91	-489.24	523.35	895.09	844.91	17.83	
11100.00	9077.25	9065.11	9063.77	33.70	17.89	93.10	-489.23	523.37	989.10	937.51	19.17	
11200.00	9079.84	9066.16	9064.82	35.14	17.90	93.29	-489.21	523.40	1084.19	1031.15	20.44	
11300.00	9082.43	9067.19	9065.85	36.62	17.90	93.48	-489.19	523.42	1180.08	1125.56	21.65	
11400.00	9085.02	9068.21	9066.87	38.13	17.90	93.66	-489.18	523.44	1276.61	1220.58	22.78	
11500.00	9087.61	9069.21	9067.87	39.67	17.90	93.84	-489.16	523.47	1373.63	1316.06	23.86	



Weatherford Anticollision Report



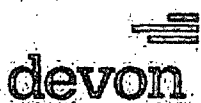
Weatherford

Company: Devon Energy
Field: Eddy Co NM (NAD 83)
Reference Site: Capella 14 Federal Com 2H
Reference Well: 2H
Reference Wellpath:
Date: 1/9/2013
Time: 10:54:23
Page: 4
Co-ordinate (NE) Reference: Well 2H Gnd North
Vertical (TVD) Reference: SITE 3586.6
Db: Sybase

Site: Sonnitt Sweeney
Well: Sonnitt Sweeney
Wellpath: 1 V0

Inter-Site Error: 0.00 ft

Reference MD	Offset TVD	MD	Offset TVD	Semi-Major Axis Ref	Offset TFO	Major Axis HS	North	East	Offset Location Distance	Ctrl-Ctrl Edge Distance	Separation Factor	Warning
100.00	100.00	74.77	74.77	0.08	0.08	162.41	-1647.75	522.35	1728.66	1728.50	10829.14	
200.00	200.00	162.86	162.85	0.31	0.27	162.39	-1648.84	523.29	1730.15	1729.58	2997.84	
300.00	300.00	256.76	256.73	0.53	0.52	162.36	-1650.32	524.71	1732.12	1731.07	1647.54	
400.00	400.00	358.54	358.47	0.76	0.79	162.32	-1652.06	526.47	1734.27	1732.72	1121.64	
500.00	500.00	484.06	483.98	0.98	1.07	162.29	-1653.51	527.88	1735.75	1733.70	845.78	
600.00	600.00	604.33	604.22	1.21	1.23	162.36	-1653.99	525.97	1735.63	1733.20	712.25	
700.00	700.00	703.27	703.11	1.43	1.35	162.47	-1654.45	522.58	1735.04	1732.26	623.66	
800.00	800.00	802.53	802.30	1.66	1.51	162.59	-1655.04	518.90	1734.50	1731.34	547.56	
900.00	900.00	899.28	898.97	1.88	1.70	162.71	-1655.76	515.25	1734.09	1730.51	484.76	
1000.00	1000.00	999.84	999.46	2.11	1.91	162.84	-1656.57	511.50	1733.75	1729.74	431.86	
1100.00	1100.00	1097.32	1096.87	2.33	2.13	162.96	-1657.38	507.96	1733.48	1729.02	388.82	
1200.00	1200.00	1196.11	1195.60	2.56	2.36	163.08	-1658.29	504.43	1733.31	1728.40	352.65	
1300.00	1300.00	1296.94	1296.36	2.78	2.60	163.20	-1659.18	500.98	1733.17	1727.79	321.98	
1400.00	1400.00	1394.47	1393.83	3.01	2.84	163.31	-1660.03	497.82	1733.07	1727.22	296.37	
1500.00	1500.00	1498.30	1497.61	3.23	3.10	163.42	-1660.86	494.59	1732.94	1726.61	273.75	
1600.00	1600.00	1600.14	1599.41	3.45	3.35	163.51	-1661.39	491.74	1732.65	1725.84	254.50	
1700.00	1700.00	1703.75	1702.99	3.68	3.61	163.59	-1661.61	489.35	1732.19	1724.91	237.72	
1800.00	1800.00	1803.09	1802.32	3.90	3.85	163.64	-1661.55	487.68	1731.66	1723.91	223.45	
1900.00	1900.00	1908.47	1907.70	4.13	4.08	163.68	-1661.17	486.45	1730.99	1722.78	210.87	
2000.00	2000.00	2010.30	2009.51	4.35	4.29	163.70	-1660.53	485.45	1730.11	1721.47	200.20	
2100.00	2100.00	2112.15	2111.36	4.58	4.48	163.72	-1659.72	484.62	1729.12	1720.06	190.81	
2200.00	2200.00	2212.85	2212.05	4.80	4.67	163.74	-1658.82	483.89	1728.05	1718.58	182.38	
2300.00	2300.00	2312.05	2311.25	5.03	4.87	163.75	-1657.94	483.17	1727.00	1717.11	174.57	
2400.00	2400.00	2411.09	2410.28	5.25	5.07	163.77	-1657.12	482.39	1725.98	1715.66	167.18	
2500.00	2500.00	2507.80	2506.99	5.48	5.29	163.79	-1656.46	481.59	1725.10	1714.34	160.26	
2600.00	2600.00	2605.43	2604.61	5.70	5.51	163.81	-1655.94	480.84	1724.38	1713.16	153.73	
2700.00	2700.00	2697.43	2696.60	5.93	5.74	163.82	-1655.70	480.28	1723.96	1712.29	147.74	
2800.00	2800.00	2792.25	2791.42	6.15	5.98	163.84	-1655.79	479.86	1723.93	1711.80	142.12	
2900.00	2900.00	2881.80	2880.97	6.38	6.17	163.85	-1656.25	479.59	1724.33	1711.79	137.47	
3000.00	3000.00	2981.13	2980.30	6.60	6.35	163.87	-1657.15	479.35	1725.13	1712.18	133.16	
3100.00	3100.00	3078.04	3077.20	6.83	6.54	163.89	-1658.07	479.02	1725.95	1712.58	129.10	
3200.00	3200.00	3176.17	3175.33	7.05	6.74	163.91	-1659.24	478.53	1726.96	1713.17	125.19	
3300.00	3300.00	3273.61	3272.76	7.28	6.95	163.94	-1660.55	477.90	1728.07	1713.84	121.45	
3400.00	3400.00	3371.34	3370.47	7.50	7.17	163.99	-1662.10	476.99	1729.34	1714.67	117.86	
3500.00	3500.00	3470.94	3470.05	7.73	7.40	164.04	-1663.79	475.97	1730.69	1715.56	114.42	
3600.00	3600.00	3569.91	3569.00	7.95	7.63	164.09	-1665.50	474.90	1732.06	1716.48	111.17	
3700.00	3700.00	3669.41	3668.48	8.17	7.86	164.13	-1667.28	473.85	1733.49	1717.45	108.10	
3800.00	3800.00	3770.81	3769.86	8.40	8.10	164.18	-1669.04	472.90	1734.90	1718.40	105.17	
3900.00	3900.00	3870.03	3869.06	8.62	8.32	164.22	-1670.66	472.13	1736.26	1719.31	102.45	
4000.00	4000.00	3970.76	3969.77	8.85	8.55	164.26	-1672.31	471.48	1737.66	1720.26	99.86	
4100.00	4100.00	4069.03	4068.03	9.07	8.78	164.29	-1673.88	470.89	1739.04	1721.19	97.43	
4200.00	4200.00	4169.43	4168.42	9.30	9.01	164.32	-1675.60	470.25	1740.52	1722.21	95.08	
4300.00	4300.00	4274.19	4273.15	9.52	9.25	164.36	-1677.24	469.54	1741.84	1723.06	92.77	
4400.00	4400.00	4379.05	4378.01	9.75	9.50	164.39	-1678.52	468.93	1742.86	1723.60	90.53	
4500.00	4500.00	4483.46	4482.41	9.97	9.76	164.42	-1679.48	468.40	1743.61	1723.88	88.36	
4600.00	4600.00	4585.32	4584.26	10.20	10.02	164.44	-1680.23	467.85	1744.18	1723.96	86.29	
4700.00	4700.00	4685.86	4684.81	10.42	10.27	164.46	-1680.92	467.28	1744.68	1723.99	84.31	
4800.00	4800.00	4784.52	4783.46	10.65	10.52	164.49	-1681.61	466.72	1745.21	1724.04	82.44	
4900.00	4900.00	4886.30	4885.24	10.87	10.78	164.51	-1682.33	466.17	1745.74	1724.09	80.62	
5000.00	5000.00	4991.67	4990.61	11.10	11.06	164.53	-1682.84	465.61	1746.07	1723.91	78.82	
5100.00	5100.00	5110.75	5109.68	11.32	11.27	164.54	-1682.43	465.19	1745.64	1723.05	77.28	



Weatherford Anticollision Report



Weatherford

Company:	Devon Energy	Date:	1/9/2013	Time:	10:54:23	Page:	5
Field:	Eddy Co. NM (NAD:83)						
Reference Site:	Capella 14 Federal Com 2H	Co-ordinate (NE) Reference:	Well: 2H	Grid North			
Reference Well:	2H	Vertical (TVD) Reference:	SITE 3586.6				
Reference Wellpath:						Db:	Sybase

Site: Sonnitt Sweeney
Well: Sonnitt Sweeney
Wellpath: 1 VO

Inter-Site Error: 0.00 ft

Reference MD	Reference TVD	Offset MD	Offset TVD	Semi-Major Axis Ref	Offset	Major Axis TFO-HS	North	East	Ctr-Ctr Edge Distance	Separation Distance	Factor	Warning
5200.00	5200.00	5207.11	5206.03	11.55	11.37	164.55	-1681.69	464.92	1744.82	1721.90	76.13	
5300.00	5300.00	5310.56	5309.48	11.77	11.50	164.55	-1680.88	464.61	1743.98	1720.71	74.96	
5400.00	5400.00	5408.21	5407.13	12.00	11.61	164.55	-1680.10	464.36	1743.14	1719.54	73.85	
5500.00	5500.00	5511.66	5510.58	12.22	11.74	164.55	-1679.22	463.99	1742.23	1718.27	72.71	
5600.00	5600.00	5608.25	5607.16	12.45	11.87	164.56	-1678.44	463.65	1741.35	1717.03	71.61	
5700.00	5700.00	5709.62	5708.53	12.67	12.02	164.56	-1677.65	463.29	1740.51	1715.82	70.50	
5800.00	5800.00	5806.55	5805.46	12.89	12.16	164.57	-1676.97	462.95	1739.74	1714.68	69.43	
5900.00	5900.00	5907.78	5906.68	13.12	12.33	164.57	-1676.31	462.53	1739.00	1713.55	68.33	
6000.00	6000.00	6004.97	6003.87	13.34	12.49	164.58	-1675.72	462.21	1738.32	1712.49	67.30	
6100.00	6100.00	6108.43	6107.33	13.57	12.64	164.58	-1675.03	461.93	1737.62	1711.40	66.29	
6200.00	6200.00	6209.36	6208.25	13.79	12.82	164.59	-1674.29	461.44	1736.78	1710.16	65.25	
6300.00	6300.00	6305.41	6304.30	14.02	13.02	164.61	-1673.71	460.84	1736.03	1708.99	64.21	
6400.00	6400.00	6398.28	6397.17	14.24	13.21	164.61	-1673.41	460.46	1735.61	1708.15	63.21	
6500.00	6500.00	6518.61	6517.49	14.47	13.46	164.63	-1672.45	459.67	1734.64	1706.71	62.12	
6600.00	6600.00	6609.90	6608.78	14.69	13.62	164.64	-1671.55	459.16	1733.53	1705.22	61.23	
6700.00	6700.00	6711.78	6710.65	14.92	13.82	164.65	-1670.71	458.50	1732.57	1703.83	60.30	
6800.00	6800.00	6806.67	6805.53	15.14	14.03	164.68	-1670.12	457.54	1731.70	1702.53	59.35	
6900.00	6900.00	6894.04	6892.90	15.37	14.25	164.70	-1670.00	456.86	1731.37	1701.75	58.46	
7000.00	7000.00	7006.44	7005.30	15.59	14.52	164.73	-1669.88	455.85	1731.02	1700.91	57.48	
7100.00	7100.00	7089.34	7088.19	15.82	14.67	164.75	-1669.85	455.36	1730.83	1700.35	56.78	
7200.00	7200.00	7189.56	7188.41	16.04	14.85	164.76	-1670.29	455.09	1731.19	1700.30	56.04	
7300.00	7300.00	7302.27	7301.11	16.27	15.12	164.80	-1670.52	453.99	1731.13	1699.74	55.15	
7400.00	7400.00	7401.97	7400.81	16.49	15.37	164.82	-1670.32	453.07	1730.69	1698.83	54.32	
7500.00	7500.00	7502.71	7501.55	16.72	15.61	164.84	-1670.04	452.34	1730.24	1697.91	53.52	
7600.00	7600.00	7595.70	7594.54	16.94	15.84	164.86	-1669.95	451.74	1729.97	1697.19	52.77	
7700.00	7700.00	7680.44	7679.27	17.17	15.97	164.86	-1670.22	451.92	1730.33	1697.20	52.22	
7800.00	7800.00	7794.81	7793.63	17.39	16.05	164.82	-1670.51	453.37	1730.94	1697.50	51.77	
7900.00	7900.00	7895.78	7894.60	17.61	16.19	164.81	-1670.36	453.64	1730.87	1697.06	51.20	
8000.00	8000.00	7992.20	7991.02	17.84	16.42	164.82	-1670.47	453.35	1730.90	1696.64	50.52	
8050.00	8049.92	8042.69	8041.51	17.95	16.54	140.75	-1670.60	453.13	1732.88	1698.42	50.29	
8100.00	8099.35	8093.09	8091.90	18.06	16.67	140.50	-1670.78	452.62	1738.64	1704.06	50.28	
8150.00	8147.82	8138.79	8137.61	18.16	16.78	140.06	-1670.99	452.01	1748.20	1713.57	50.49	
8200.00	8194.85	8182.51	8181.32	18.27	16.89	139.39	-1671.26	451.49	1761.58	1726.97	50.90	
8250.00	8239.98	8234.66	8233.46	18.38	17.01	138.57	-1671.55	450.98	1778.62	1744.06	51.47	
8300.00	8282.79	8291.50	8290.31	18.50	17.13	137.59	-1671.42	450.57	1798.90	1764.40	52.14	
8350.00	8322.84	8331.59	8330.39	18.63	17.19	136.12	-1671.11	450.43	1822.42	1788.04	53.01	
8400.00	8359.75	8366.39	8365.19	18.78	17.23	134.18	-1670.82	450.56	1849.26	1814.95	53.90	
8450.00	8393.16	8398.13	8396.92	18.95	17.27	131.74	-1670.56	450.87	1879.19	1844.85	54.71	
8500.00	8422.76	8434.34	8433.13	19.15	17.30	128.88	-1670.21	451.35	1911.92	1877.43	55.43	
8510.94	8428.69	8441.78	8440.57	19.20	17.30	128.17	-1670.12	451.45	1919.42	1884.87	55.56	
8550.00	8450.24	8468.86	8467.65	19.38	17.32	126.21	-1669.75	451.79	1945.34	1910.37	55.63	
8600.00	8479.74	8503.93	8502.71	19.63	17.34	123.21	-1669.18	452.23	1975.34	1939.83	55.63	
8650.00	8511.14	8529.24	8528.01	19.87	17.36	119.44	-1668.79	452.54	2001.68	1965.63	55.54	
8700.00	8544.13	8555.59	8554.36	20.11	17.37	115.18	-1668.48	452.84	2024.25	1987.72	55.41	
8750.00	8578.38	8582.76	8581.53	20.32	17.39	110.48	-1668.26	453.14	2042.93	2005.96	55.25	
8800.00	8613.57	8623.13	8621.90	20.49	17.42	105.64	-1668.04	453.55	2057.55	2020.20	55.09	
8850.00	8649.36	8685.37	8684.12	20.63	17.47	100.95	-1667.13	454.09	2067.60	2029.93	54.89	
8900.00	8685.39	8725.88	8724.62	20.71	17.51	95.77	-1666.21	454.35	2073.04	2035.11	54.65	
8950.00	8721.31	8759.23	8757.96	20.75	17.56	90.58	-1665.49	454.44	2074.20	2036.07	54.39	
9000.00	8756.79	8791.83	8790.56	20.74	17.60	85.67	-1664.83	454.41	2071.12	2032.85	54.12	
9050.00	8791.46	8830.57	8829.30	20.71	17.66	81.35	-1664.05	454.33	2063.80	2025.46	53.83	



Weatherford Anticollision Report



Weatherford

Company: Devon Energy
Field: Eddy Co. NM (NAD/83)
Reference Site: Capella 14 Federal Com 2H
Reference Well: 2H
Reference Wellpath:
Date: 1/9/2013
Time: 10:54:23
Page: 6
Co-ordinate (NE) Reference: Well: 2H, Gnd North
Vertical (TVD) Reference: SITE 3586.6
Db: Sybase

Site: Sonnitt Sweeney
Well: Sonnitt Sweeney

Wellpath: 1 V0

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis		Offset Location		Ctr. Ctr. Edge		Separation		Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
9100.00	8825.00	8870.66	8869.37	20.66	17.71	77.65	-1663.12	454.47	2052.22	2013.86	53.49	
9150.00	8857.08	8905.66	8904.36	20.60	17.76	74.51	-1662.21	454.77	2036.49	1998.16	53.13	
9200.00	8887.38	8928.12	8926.81	20.56	17.78	71.80	-1661.66	455.00	2016.90	1978.66	52.74	
9250.00	8915.62	8949.10	8947.78	20.54	17.80	69.77	-1661.22	455.23	1993.67	1955.54	52.28	
9300.00	8941.52	8968.40	8967.08	20.55	17.82	68.44	-1660.89	455.44	1966.97	1928.95	51.74	
9350.00	8964.82	8985.85	8984.53	20.57	17.83	67.83	-1660.64	455.64	1937.00	1899.08	51.09	
9400.00	8985.30	9002.06	9000.73	20.61	17.85	68.02	-1660.46	455.83	1903.96	1866.11	50.30	
9450.00	9002.77	9023.24	9021.91	20.66	17.86	69.35	-1660.22	456.12	1868.07	1830.19	49.33	
9500.00	9017.04	9040.50	9039.17	20.71	17.88	71.67	-1660.00	456.41	1829.56	1791.60	48.19	
9550.00	9027.99	9053.62	9052.28	20.76	17.89	75.20	-1659.82	456.67	1788.77	1750.62	46.89	
9600.00	9035.51	9062.44	9061.10	20.81	17.89	80.23	-1659.69	456.86	1746.01	1707.62	45.48	
9650.00	9039.52	9066.86	9065.52	20.85	17.90	87.18	-1659.62	456.96	1701.62	1662.98	44.04	
9663.36	9039.99	9067.29	9065.95	20.86	17.90	89.43	-1659.61	456.97	1689.53	1650.83	43.66	
9700.00	9040.94	9068.03	9066.69	21.06	17.90	89.49	-1659.60	456.99	1656.32	1617.43	42.59	
9787.36	9043.19	9069.80	9068.46	21.60	17.90	89.63	-1659.57	457.03	1577.75	1538.31	40.01	
9800.00	9043.52	9070.05	9068.71	21.66	17.90	89.63	-1659.57	457.04	1566.44	1526.95	39.67	
9900.00	9046.11	9071.96	9070.62	22.09	17.90	89.67	-1659.54	457.08	1476.37	1436.45	36.98	
10000.00	9048.72	9073.70	9072.36	22.54	17.90	89.71	-1659.51	457.12	1385.30	1344.92	34.31	
10100.00	9051.32	9075.26	9073.91	23.01	17.90	89.77	-1659.49	457.16	1293.28	1252.44	31.66	
10200.00	9053.93	9076.63	9075.28	23.49	17.90	89.85	-1659.46	457.20	1200.40	1159.08	29.05	
10264.58	9055.60	9077.41	9076.07	23.80	17.90	89.91	-1659.45	457.21	1139.98	1098.35	27.38	
10300.00	9056.52	9077.82	9076.47	24.12	17.90	89.97	-1659.44	457.22	1106.82	1064.87	26.38	
10400.00	9059.11	9078.95	9077.61	25.05	17.91	90.13	-1659.43	457.25	1014.03	971.14	23.64	
10500.00	9061.70	9080.07	9078.72	26.08	17.91	90.29	-1659.41	457.28	922.75	878.83	21.01	
10600.00	9064.29	9081.16	9079.82	27.19	17.91	90.45	-1659.39	457.31	833.47	788.43	18.51	
10700.00	9066.88	9082.24	9080.89	28.37	17.91	90.61	-1659.37	457.34	746.90	700.67	16.16	
10800.00	9069.47	9083.30	9081.95	29.63	17.91	90.76	-1659.35	457.36	664.13	616.64	13.99	
10900.00	9072.07	9084.34	9082.99	30.94	17.91	90.91	-1659.34	457.39	586.73	537.93	12.02	
11000.00	9074.66	9085.36	9084.01	32.30	17.91	91.06	-1659.32	457.42	517.16	466.99	10.31	
11100.00	9077.25	9086.37	9085.02	33.70	17.91	91.21	-1659.30	457.44	458.96	407.39	8.90	
11200.00	9079.84	9087.36	9086.01	35.14	17.91	91.35	-1659.28	457.47	416.93	363.91	7.86	
11300.00	9082.43	9088.33	9086.98	36.62	17.91	91.49	-1659.27	457.50	396.26	341.75	7.27	
11400.00	9085.02	9089.29	9087.94	38.13	17.91	91.63	-1659.25	457.52	400.26	344.24	7.14	
11500.00	9087.61	9090.23	9088.88	39.67	17.91	91.77	-1659.24	457.55	428.24	370.68	7.44	

Weatherford
Wft Plan Report X Y's.

Company: Devon Energy
Field: Eddy Co., NM (NAD 83)
Site: Capella 14 Federal Com 2H
Well: 2H
Wellpath: 1

Date: 1/9/2013
Co-ordinate (NE) Refer
Vertical (TVD) Referenc
Section (VS) Referenc
Survey Calculation Me

Plan: Plan #4

Date Composed:

Principal: Yes

Version:

Tied-to:

Site: Capella 14 Federal Com 2H

Site Position:		Northing:	606680.61 ft	Latitude:	
From: Map		Easting:	693295.20 ft	Longitude:	1
Position Uncertainty:	0.00 ft			North Reference:	
Ground Level:	3560.60 ft			Grid Convergence:	

Well: 2H

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	606680.61 ft	Latitude:	
	+E/-W	0.00 ft	Easting :	693295.20 ft	Longitude:	1
Position Uncertainty:		0.00 ft				

Wellpath: 1

Current Datum:	SITE	Height	3586.60 ft	Drilled From:	
Magnetic Data:	2/15/2013			Tie-on Depth:	
Field Strength:	48712 nT			Above System Datum	
Vertical Section: Depth From (TVD)		+N/-S		Declination:	
	ft	ft		Mag Dip Angle:	
	0.00	0.00		+E/-W	
				ft	
				0.00	

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100f
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00
8510.94	57.76	23.99	8428.69	216.03	96.14	11.30	11.30
9663.36	88.52	165.26	9039.99	3.99	750.01	11.30	2.67
9787.36	88.52	165.26	9043.19	-115.89	781.55	0.00	0.00
10264.58	88.52	179.58	9055.60	-587.55	844.32	3.00	0.00
14294.04	88.52	179.58	9160.00	-4615.55	873.81	0.00	0.00

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS
ft	deg	deg	ft	ft	ft	ft	deg/100ft
8000.00	0.00	0.00	8000.00	0.00	0.00	0.00	0.00
8050.00	5.65	23.99	8049.92	2.25	1.00	-2.03	11.30
8100.00	11.30	23.99	8099.35	8.98	4.00	-8.08	11.30
8150.00	16.96	23.99	8147.82	20.13	8.96	-18.11	11.30
8200.00	22.61	23.99	8194.85	35.59	15.84	-32.02	11.30

8250.00	28.26	23.99	8239.98	55.20	24.56	-49.67	11.30
8300.00	33.91	23.99	8282.79	78.78	35.06	-70.88	11.30
8350.00	39.57	23.99	8322.84	106.09	47.21	-95.46	11.30
8400.00	45.22	23.99	8359.75	136.88	60.91	-123.16	11.30
8450.00	50.87	23.99	8393.16	170.83	76.02	-153.71	11.30
8500.00	56.52	23.99	8422.76	207.63	92.40	-186.82	11.30
8510.94	57.76	23.99	8428.69	216.03	96.14	-194.38	11.30
8550.00	55.30	28.39	8450.24	245.26	110.49	-220.43	11.30
8600.00	52.41	34.40	8479.74	279.72	131.47	-250.38	11.30
8650.00	49.84	40.87	8511.14	310.54	155.18	-276.25	11.30
8700.00	47.66	47.80	8544.13	337.42	181.40	-297.79	11.30
8750.00	45.93	55.18	8578.38	360.11	209.85	-314.79	11.30
8800.00	44.69	62.94	8613.57	378.38	240.28	-327.08	11.30
8850.00	44.00	70.97	8649.36	392.05	272.38	-334.54	11.30
8900.00	43.89	79.11	8685.39	400.99	305.85	-337.10	11.30
8950.00	44.35	87.21	8721.31	405.12	340.35	-334.74	11.30
9000.00	45.36	95.09	8756.79	404.40	375.55	-327.48	11.30
9050.00	46.90	102.63	8791.46	398.82	411.11	-315.39	11.30
9100.00	48.91	109.75	8825.00	388.45	446.69	-298.58	11.30
9150.00	51.33	116.41	8857.08	373.39	481.93	-277.23	11.30
9200.00	54.10	122.60	8887.38	353.78	516.50	-251.53	11.30
9250.00	57.17	128.36	8915.62	329.81	550.06	-221.74	11.30
9300.00	60.48	133.71	8941.52	301.72	582.28	-188.15	11.30
9350.00	63.99	138.71	8964.82	269.78	612.86	-151.08	11.30
9400.00	67.66	143.42	8985.30	234.30	641.48	-110.89	11.30
9450.00	71.46	147.88	9002.77	195.63	667.89	-67.98	11.30
9500.00	75.36	152.15	9017.04	154.13	691.81	-22.76	11.30
9550.00	79.34	156.26	9027.99	110.22	713.02	24.33	11.30
9600.00	83.37	160.27	9035.51	64.32	731.30	72.84	11.30
9650.00	87.43	164.21	9039.52	16.87	746.50	122.28	11.30
9663.36	88.52	165.26	9039.99	3.99	750.01	135.59	11.30
9700.00	88.52	165.26	9040.94	-31.43	759.33	172.13	0.00
9787.36	88.52	165.26	9043.19	-115.89	781.55	259.24	0.00
9800.00	88.52	165.64	9043.52	-128.12	784.73	271.85	3.00
9900.00	88.51	168.64	9046.11	-225.57	806.97	371.74	3.00
10000.00	88.51	171.64	9048.72	-324.05	824.09	471.68	3.00
10100.00	88.51	174.64	9051.32	-423.28	836.03	571.41	3.00
10200.00	88.51	177.64	9053.93	-523.01	842.75	670.65	3.00
10264.58	88.52	179.58	9055.60	-587.55	844.32	734.34	3.00
10300.00	88.52	179.58	9056.52	-622.96	844.58	769.18	0.00
10400.00	88.52	179.58	9059.11	-722.92	845.31	867.54	0.00
10500.00	88.52	179.58	9061.70	-822.88	846.04	965.89	0.00
10600.00	88.52	179.58	9064.29	-922.85	846.77	1064.25	0.00
10700.00	88.52	179.58	9066.88	-1022.81	847.50	1162.61	0.00
10800.00	88.52	179.58	9069.47	-1122.77	848.24	1260.96	0.00
10900.00	88.52	179.58	9072.07	-1222.74	848.97	1359.32	0.00
11000.00	88.52	179.58	9074.66	-1322.70	849.70	1457.67	0.00
11100.00	88.52	179.58	9077.25	-1422.67	850.43	1556.03	0.00
11200.00	88.52	179.58	9079.84	-1522.63	851.16	1654.38	0.00
11300.00	88.52	179.58	9082.43	-1622.59	851.90	1752.74	0.00

11400.00	88.52	179.58	9085.02	-1722.56	852.63	1851.09	0.00
11500.00	88.52	179.58	9087.61	-1822.52	853.36	1949.45	0.00
11600.00	88.52	179.58	9090.20	-1922.48	854.09	2047.80	0.00
11700.00	88.52	179.58	9092.79	-2022.45	854.82	2146.16	0.00
11800.00	88.52	179.58	9095.38	-2122.41	855.56	2244.51	0.00
11900.00	88.52	179.58	9097.97	-2222.38	856.29	2342.87	0.00
12000.00	88.52	179.58	9100.57	-2322.34	857.02	2441.22	0.00
12100.00	88.52	179.58	9103.16	-2422.30	857.75	2539.58	0.00
12200.00	88.52	179.58	9105.75	-2522.27	858.48	2637.93	0.00
12300.00	88.52	179.58	9108.34	-2622.23	859.22	2736.29	0.00
12400.00	88.52	179.58	9110.93	-2722.20	859.95	2834.65	0.00
12500.00	88.52	179.58	9113.52	-2822.16	860.68	2933.00	0.00
12600.00	88.52	179.58	9116.11	-2922.12	861.41	3031.36	0.00
12700.00	88.52	179.58	9118.70	-3022.09	862.14	3129.71	0.00
12800.00	88.52	179.58	9121.29	-3122.05	862.87	3228.07	0.00
12900.00	88.52	179.58	9123.88	-3222.01	863.61	3326.42	0.00
13000.00	88.52	179.58	9126.47	-3321.98	864.34	3424.78	0.00
13100.00	88.52	179.58	9129.06	-3421.94	865.07	3523.13	0.00
13200.00	88.52	179.58	9131.66	-3521.91	865.80	3621.49	0.00
13300.00	88.52	179.58	9134.25	-3621.87	866.53	3719.84	0.00
13400.00	88.52	179.58	9136.84	-3721.83	867.27	3818.20	0.00
13500.00	88.52	179.58	9139.43	-3821.80	868.00	3916.55	0.00
13600.00	88.52	179.58	9142.02	-3921.76	868.73	4014.91	0.00
13700.00	88.52	179.58	9144.61	-4021.72	869.46	4113.26	0.00
13800.00	88.52	179.58	9147.20	-4121.69	870.19	4211.62	0.00
13900.00	88.52	179.58	9149.79	-4221.65	870.93	4309.98	0.00
14000.00	88.52	179.58	9152.38	-4321.62	871.66	4408.33	0.00
14100.00	88.52	179.58	9154.97	-4421.58	872.39	4506.69	0.00
14200.00	88.52	179.58	9157.56	-4521.54	873.12	4605.04	0.00
14294.04	88.52	179.58	9160.00	-4615.55	873.81	4697.54	0.00

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	M Ea
LP Tgt		9039.99	3.99	750.01	606684.60	694
PBHL		9160.00	-4615.55	873.81	602065.06	694

Casing Points

MD	TVD	Diameter	Hole Size	Name
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Annotation

MD ft	TVD ft	
8000.00	8000.00	KOP
8510.94	8428.69	Build/Turn

9663.36	9039.99	LP/Hold
9787.36	9043.19	Turn
10264.58	9055.60	Hold
14294.04	9160.00	PBHL